

Activity Ideas from the Field: Math Specialists Program

CONTACT: Scott Morrison, Graduation Specialist/Aberdeen High School, smorrison@asd5.org **ACTIVITY NAME:** Math Specialists Program

AUDIENCE:

- All Students
- All GU Students
- DREAMers
- English Language Learners
- Families
- First Generation Youth
- Rural Schools
- Students with Disabilities
- Underrepresented Minorities
- Youth Experiencing Homelessness
- Youth In Foster Care
- Other: _____

GRADE LEVEL: 7 8 9 10 11 12
Other: _____

SERVICE TYPE:

- College Applications
- College Goal Washington
- College Visits
- Comprehensive Mentoring
- Counseling & Advising
- Educational Field Trips
- Family Events
- Financial Aid & Financial Literacy
- Job Shadowing
- Rigorous Academic Curriculum
- Student & Family Orientation
- Summer Programs
- Tests & Test Preparation Workshop
- Tutoring & Homework Assistance

THEME:

- Advisories
- Attendance
- Career Exploration
- CCSS
- Collective Impact
- College Bound Scholarship
- College match/selection
- College-Going Culture
- Community College
- Credit Retrieval
- Dropout Prevention/Reengagement
- Early Warning Systems
- Equity
- Essays
- Family engagement
- Games
- Graduation Requirements
- Guest Speakers
- Health/Wellness
- Leadership for college readiness
- Partnerships
- Scholarships
- Social & Emotional Learning
- STEM
- Supporting undocumented students
- Test preparation
- Transitions
- Using data and evaluation
- Working in rural schools
- Other: _____

GOAL: Help our students graduate and be college ready in Mathematics

ACTIVITY OVERVIEW: Two Math Specialists were hired to work with GEAR UP Students in class, during Advisory and Lunches. They provide one-on-one and group support, have organized special tutoring sessions for EOC testing, and helped with data analysis used to place students in needed classes. They have built personal connections, having worked with them both inside and outside the classroom.

PREP TIME: Will vary, based on needs of the Specialists, teachers, and students

MATERIALS NEEDED: Two willing people, money in the budget, and work space for the

COST: TBD by GEAR UP Coordinator and the School District

PROCEDURE: They provide one-on-one and group support, have organized special tutoring sessions for EOC testing, and helped with data analysis used to place students in needed classes. They have built personal connections, having worked with them both inside and outside the classroom.

One Good Thing: Math Specialists

Math Support for AHS Students



College:
My dream.
My plan.

Background

- Approximately 233 students with mixed abilities
- Our students have underperformed on state testing in math
- Some significant gaps in their understanding of mathematical concepts and processes have been identified since we've worked with them
- Curriculum/textbooks have been changed up each year for these kids since 6th grade

Our students need some help!

Goal/Purpose

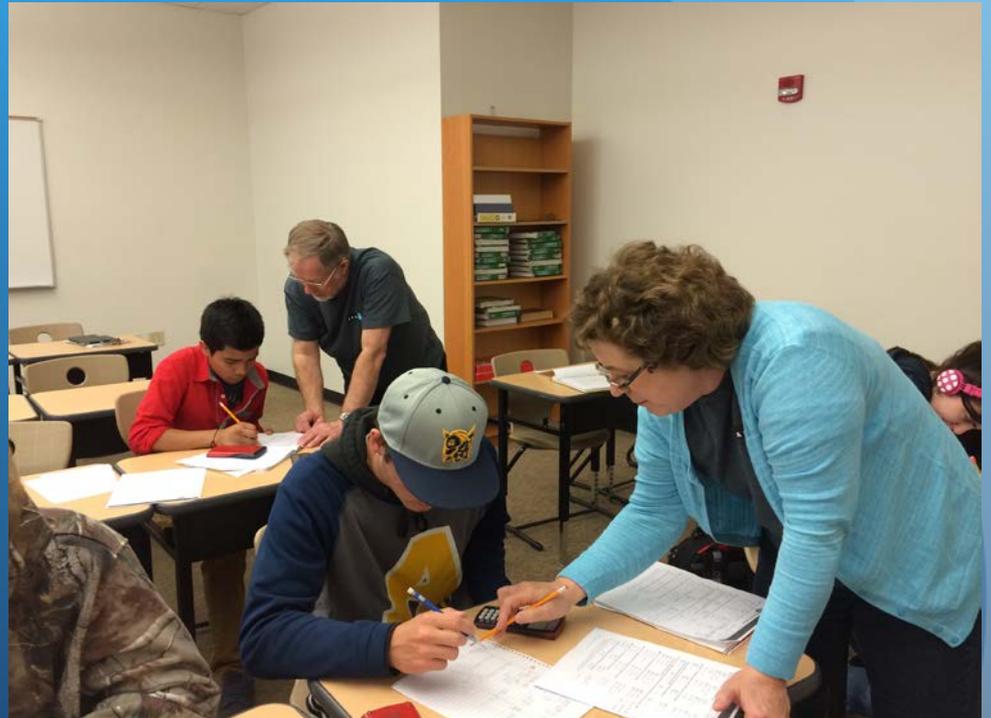
- Help students meet graduation requirements in Math
- Prepare students for post-secondary education
- Meet GEAR UP Objectives for Math

Poor performance in math has been identified as a reason for some drop outs and lack of persistence in post-secondary education



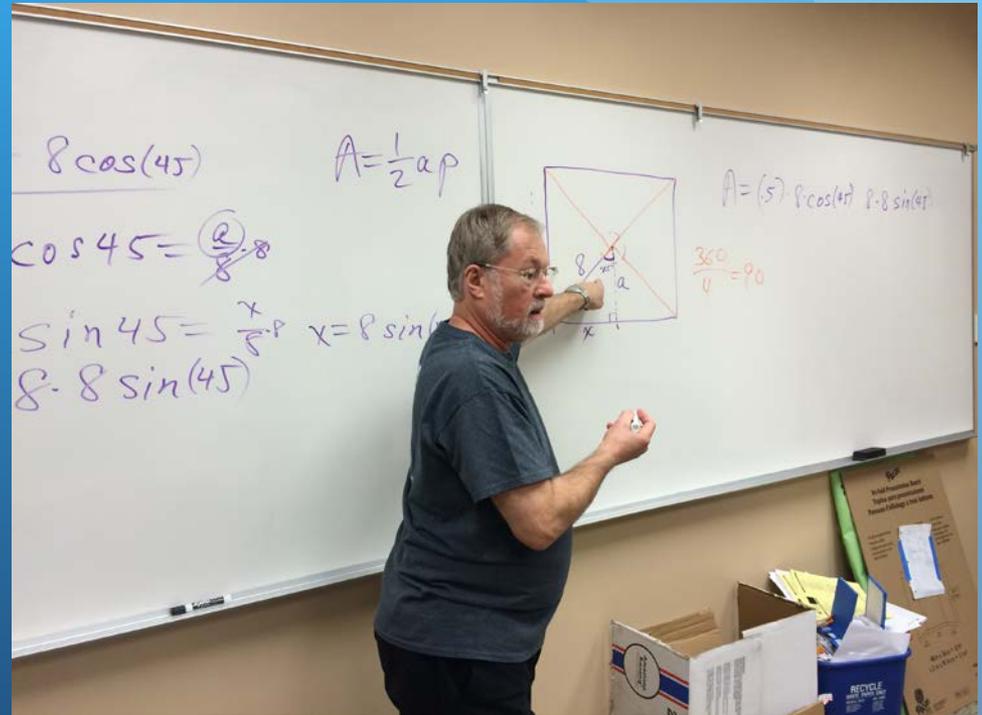
Activity Overview

- We budgeted for two Math Specialist this year to help in the classroom, during Advisory, and lunches
 - Jerry and Pam worked out a schedule to help in specific teachers' classes so that they could support our student's learning
 - They also set up for students to come to meet with them in Advisory and Lunches so they could get extra help with homework



How Math Specialists Helped

- Used data to determine rearranging of classes to better meet the needs of students
- Set up special study groups to prepare them for EOC re-takes in January
- Helped in the classrooms by working with individuals or groups



Benefits

- Personal connections with the Math Specialists
- One-on-one help in a number of settings
- Unexpected mentoring supplements the tutoring
- Extra pair of eyes for input on student understanding and data analysis
- Extra preparation for state exams



Costs

- Amount paid TBD by you and your district
- Availability of work space
- Teachers being comfortable with others in their classroom

Significant portion of our budget, but well worth it!

